

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H01J 9/02, 1/30	A1	(11) International Publication Number: WO 98/43268 (43) International Publication Date: 1 October 1998 (01.10.98)
(21) International Application Number: PCT/US98/05543 (22) International Filing Date: 19 March 1998 (19.03.98) (30) Priority Data: 60/041,696 25 March 1997 (25.03.97) US (71) Applicant (for all designated States except US): E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): AMEY, Daniel, Irwin, Jr. [US/US]; 740 Brookwood Lane, Hockessin, DE 19707 (US). (74) Agent: SCHAEFFER, Andrew, L.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).		(81) Designated States: AU, CA, CN, JP, KR, SG, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: FIELD EMITTER CATHODE BACKPLATE STRUCTURES FOR DISPLAY PANELS (57) Abstract Multilayer cathode backplate structures are provided for use with a field emitter in display panels. Processes for making the structures are also disclosed. The backplate structures are made of a plurality of electrodes separated by one or more patterned layers of a dielectric composition, each said patterned layer being formed by firing a thick film dielectric composition which has been patterned by diffusion patterning.		